

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/622,104A  
Source: IFW/b  
Date Processed by STIC: 4/21/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 04/21/2005

PATENT APPLICATION: US/09/622,104A

TIME: 11:55:30

Input Set : A:\18528038.txt

Output Set: N:\CRF4\04212005\I622104A.raw

3 <110> APPLICANT: BEELEY, NIGEL R.A.  
 4 PRICKETT, KATHRYN S.  
 5 BEAUMONT, KEVIN  
 7 <120> TITLE OF INVENTION: NOVEL MIXED AMYLIN ACTIVITY COMPOUNDS  
 9 <130> FILE REFERENCE: 18528-038  
 11 <140> CURRENT APPLICATION NUMBER: 09/622,104A  
 12 <141> CURRENT FILING DATE: 2001-07-17  
 14 <150> PRIOR APPLICATION NUMBER: PCT/US99/02603  
 15 <151> PRIOR FILING DATE: 1999-02-05  
 17 <150> PRIOR APPLICATION NUMBER: 60/074,746  
 18 <151> PRIOR FILING DATE: 1998-02-13  
 20 <160> NUMBER OF SEQ ID NOS: 32  
 22 <170> SOFTWARE: PatentIn Ver. 3.3  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 29  
 26 <212> TYPE: PRT  
 27 <213> ORGANISM: Artificial Sequence  
 29 <220> FEATURE:  
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 31 peptide construct  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: C-term amidated  
 36 <400> SEQUENCE: 1  
 37 Leu Ser Thr Cys Val Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu  
 38 1 5 10 15  
 40 Gln Thr Tyr Pro Arg Thr Asn Thr Gly Ser Asn Thr Tyr  
 41 20 25  
 44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 28  
 46 <212> TYPE: PRT  
 47 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 51 peptide construct  
 53 <220> FEATURE:  
 54 <221> NAME/KEY: MOD\_RES  
 55 <222> LOCATION: (1)  
 56 <223> OTHER INFORMATION: 4-methylpentanoyl-Ser  
 58 <220> FEATURE:  
 59 <221> NAME/KEY: MOD\_RES  
 60 <222> LOCATION: (6)  
 61 <223> OTHER INFORMATION: Aib  
 63 <220> FEATURE:

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64 <221> NAME/KEY: MOD_RES
65 <222> LOCATION: (7)
66 <223> OTHER INFORMATION: Lys(for)
68 <220> FEATURE:
69 <221> NAME/KEY: MOD_RES
70 <222> LOCATION: (13)
71 <223> OTHER INFORMATION: Aib
73 <220> FEATURE:
74 <221> NAME/KEY: MOD_RES
75 <222> LOCATION: (14)
76 <223> OTHER INFORMATION: Lys(for)
78 <220> FEATURE:
79 <223> OTHER INFORMATION: C-term amidated
81 <400> SEQUENCE: 2
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83      1              5              10              15
85 Thr Tyr Pro Arg Thr Asn Thr Gly Ser Gly Thr Pro
86      20              25
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90 <211> LENGTH: 29
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
96      peptide construct
98 <220> FEATURE:
99 <221> NAME/KEY: MOD_RES
100 <222> LOCATION: (1)
101 <223> OTHER INFORMATION: Ac-Leu
103 <220> FEATURE:
104 <223> OTHER INFORMATION: C-term amidated
106 <400> SEQUENCE: 3
107 Leu Ser Thr Ser Val Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu
108      1              5              10              15
110 Gln Thr Tyr Pro Arg Thr Asn Thr Gly Ser Asn Thr Tyr
111      20              25
114 <210> SEQ ID NO: 4
115 <211> LENGTH: 29
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
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121      peptide construct
123 <220> FEATURE:
124 <223> OTHER INFORMATION: C-term amidated
126 <400> SEQUENCE: 4
127 Leu Ser Thr Ala Val Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu
128      1              5              10              15
130 Gln Thr Tyr Pro Arg Thr Asn Thr Gly Ser Asn Thr Tyr

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137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
141     peptide construct
143 <220> FEATURE:
144 <223> OTHER INFORMATION: C-term amidated
146 <400> SEQUENCE: 5
147 Leu Ser Thr Ser Val Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu
148   1          5          10          15
150 Gln Thr Tyr Pro Arg Thr Asn Thr Gly Ser Asn Thr Tyr
151          20          25
154 <210> SEQ ID NO: 6
155 <211> LENGTH: 29
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
161     peptide construct
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164 <221> NAME/KEY: MOD_RES
165 <222> LOCATION: (1)
166 <223> OTHER INFORMATION: Ac-Leu
168 <220> FEATURE:
169 <223> OTHER INFORMATION: C-term amidated
171 <400> SEQUENCE: 6
172 Leu Ser Thr Ala Val Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu
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175 Gln Thr Tyr Pro Arg Thr Asn Thr Gly Ser Asn Thr Tyr
176          20          25
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180 <211> LENGTH: 29
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
186     peptide construct
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189 <221> NAME/KEY: MOD_RES
190 <222> LOCATION: (1)
191 <223> OTHER INFORMATION: Ac-Leu
193 <220> FEATURE:
194 <223> OTHER INFORMATION: C-term amidated
196 <400> SEQUENCE: 7
197 Leu Ser Thr Cys Val Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu
198   1          5          10          15

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200 Gln Thr Tyr Pro Arg Thr Asn Thr Gly Ser Asn Thr Tyr  
 201           20                   25  
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 205 <211> LENGTH: 25  
 206 <212> TYPE: PRT  
 207 <213> ORGANISM: Artificial Sequence  
 209 <220> FEATURE:  
 210 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 211       peptide construct  
 213 <220> FEATURE:  
 214 <221> NAME/KEY: MOD\_RES  
 215 <222> LOCATION: (3)  
 216 <223> OTHER INFORMATION: Aib  
 218 <220> FEATURE:  
 219 <221> NAME/KEY: MOD\_RES  
 220 <222> LOCATION: (4)  
 221 <223> OTHER INFORMATION: Lys(for)  
 223 <220> FEATURE:  
 224 <221> NAME/KEY: MOD\_RES  
 225 <222> LOCATION: (10)  
 226 <223> OTHER INFORMATION: Aib  
 228 <220> FEATURE:  
 229 <221> NAME/KEY: MOD\_RES  
 230 <222> LOCATION: (11)  
 231 <223> OTHER INFORMATION: Lys(for)  
 233 <220> FEATURE:  
 234 <223> OTHER INFORMATION: C-term amidated  
 236 <400> SEQUENCE: 8

W--&gt; 237 Val Leu Xaa Lys Leu Ser Gln Glu Leu Xaa Lys Leu Gln Thr Tyr Pro

238    1                   5                   10                   15  
 240 Arg Thr Asn Thr Gly Ser Asn Thr Tyr  
 241           20                   25  
 244 <210> SEQ ID NO: 9  
 245 <211> LENGTH: 25  
 246 <212> TYPE: PRT  
 247 <213> ORGANISM: Artificial Sequence  
 249 <220> FEATURE:  
 250 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 251       peptide construct  
 253 <220> FEATURE:  
 254 <221> NAME/KEY: MOD\_RES  
 255 <222> LOCATION: (1)  
 256 <223> OTHER INFORMATION: Ac-Val  
 258 <220> FEATURE:  
 259 <221> NAME/KEY: MOD\_RES  
 260 <222> LOCATION: (3)  
 261 <223> OTHER INFORMATION: Aib  
 263 <220> FEATURE:  
 264 <221> NAME/KEY: MOD\_RES

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Input Set : A:\18528038.txt

Output Set: N:\CRF4\04212005\I622104A.raw

265 <222> LOCATION: (4)  
 266 <223> OTHER INFORMATION: Lys(for) ✓  
 268 <220> FEATURE:  
 269 <221> NAME/KEY: MOD\_RES  
 270 <222> LOCATION: (10) ✓  
 271 <223> OTHER INFORMATION: Aib  
 273 <220> FEATURE:  
 274 <221> NAME/KEY: MOD\_RES  
 275 <222> LOCATION: (11) ✓  
 276 <223> OTHER INFORMATION: Lys(for)  
 278 <220> FEATURE:  
 279 <223> OTHER INFORMATION: C-term amidated  
 281 <400> SEQUENCE: 9  
 W--> 282 Val Leu Xaa Lys Leu Ser Gln Glu Leu Xaa Lys Leu Gln Thr Tyr Pro  
 283 1 5 10 15  
 285 Arg Thr Asn Thr Gly Ser Asn Thr Tyr  
 286 20 25  
 289 <210> SEQ ID NO: 10  
 290 <211> LENGTH: 28  
 291 <212> TYPE: PRT  
 292 <213> ORGANISM: Artificial Sequence  
 294 <220> FEATURE:  
 295 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 296 peptide construct  
 298 <220> FEATURE:  
 299 <221> NAME/KEY: MOD\_RES  
 300 <222> LOCATION: (1) ✓  
 301 <223> OTHER INFORMATION: 4-methylpentanoyl-Ser  
 303 <220> FEATURE:  
 304 <221> NAME/KEY: MOD\_RES  
 305 <222> LOCATION: (6)  
 306 <223> OTHER INFORMATION: Aib  
 308 <220> FEATURE:  
 309 <221> NAME/KEY: MOD\_RES  
 310 <222> LOCATION: (7) ✓  
 311 <223> OTHER INFORMATION: Lys(for)  
 313 <220> FEATURE:  
 314 <221> NAME/KEY: MOD\_RES  
 315 <222> LOCATION: (13) ✓  
 316 <223> OTHER INFORMATION: Aib  
 318 <220> FEATURE:  
 319 <221> NAME/KEY: MOD\_RES  
 320 <222> LOCATION: (14) ✓  
 321 <223> OTHER INFORMATION: Lys(for)  
 323 <220> FEATURE:  
 324 <223> OTHER INFORMATION: C-term amidated  
 326 <400> SEQUENCE: 10  
 W--> 327 Ser Thr Ala Val Leu Xaa Lys Leu Ser Gln Glu Leu Xaa Lys Leu Gln  
 328 1 5 10 15

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/622,104A

DATE: 04/21/2005  
TIME: 11:55:31

Input Set : A:\18528038.txt  
Output Set: N:\CRF4\04212005\I622104A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 6,13  
Seq#:8; Xaa Pos. 3,10  
Seq#:9; Xaa Pos. 3,10  
Seq#:10; Xaa Pos. 6,13  
Seq#:11; Xaa Pos. 6,13  
Seq#:12; Xaa Pos. 3,10  
Seq#:13; Xaa Pos. 3,10  
Seq#:19; Xaa Pos. 14  
Seq#:27; Xaa Pos. 1,2,3,4,5,6,7,8,10,11,14,15,24,25,26,27,28,29  
Seq#:28; Xaa Pos. 1,4

**VERIFICATION SUMMARY**

DATE: 04/21/2005

PATENT APPLICATION: US/09/622,104A

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Input Set : A:\18528038.txt

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L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
M:341 Repeated in SeqNo=27  
L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0